UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,711,385 B2
APPLICATION NO. : 10/595287
DATED : May 4, 2010
INVENTOR(S) : Ostman et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete title page showing an illustrative figure and substitute the attached title page therefor.

On the Title Page, in Field (75), under "Inventors", in Column 1, Line 1, before "Ostman,", insert -- Leif --.

On the Title Page, in Field (75), under "Inventors", in Column 1, Line 2, before "Pettersson,", insert -- Frank Rune --.

On the Title Page, in Figure, delete "Predistiorsion" and insert -- Predistorsion --, therefor.

Delete sheet 3 of 9, and substitute the attached sheet 3 of 9 therefor.

In Fig. 3, Sheet 3 of 9, delete "Predistiorsion" and insert -- Predistorsion --, therefor.

In Fig. 4, Sheet 4 of 9, delete "Predistiorsion" and insert -- Predistorsion --, therefor.

In Column 4, Line 64, delete "FIG. 44." and insert -- FIG. 4. --, therefor.

Signed and Sealed this
Eleventh Day of October, 2011

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Ostman et al.

(10) **Patent No.: US 7,711,385 B2**
(45) **Date of Patent: May 4, 2010**

(54) **METHOD AND SYSTEM OF TRANSMISSION POWER CONTROL**

(75) Inventors: **Thomas Ostman**, Spanga (SE); **Jan Pettersson**, Jarfalla (SE)

(73) Assignee: **Telefonaktiebolaget L M Ericsson (publ)**, Stockholm (SE)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1064 days.

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(86) PCT No.: **PCT/SE03/01559**

§ 371 (c)(1),
(2), (4) Date: **Apr. 5, 2006**

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PCT Pub. Date: **Apr. 14, 2005**

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(51) **Int. Cl.**
H04B 7/00 (2006.01)

(52) **U.S. Cl.** **455/522**; 455/69

(58) **Field of Classification Search** 455/522, 455/69

See application file for complete search history.

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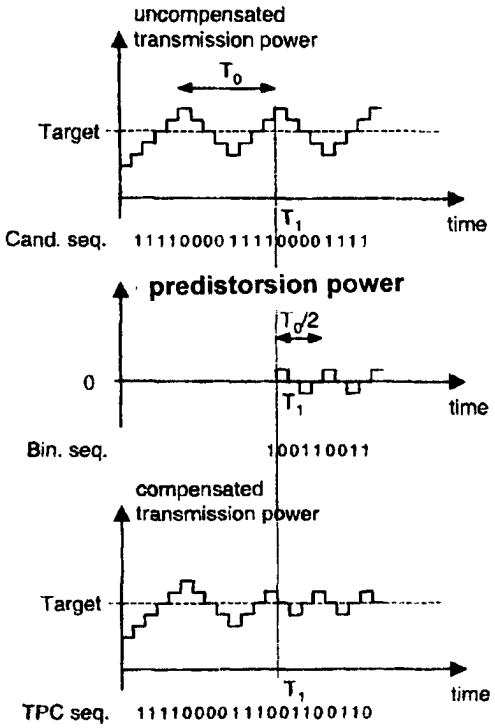
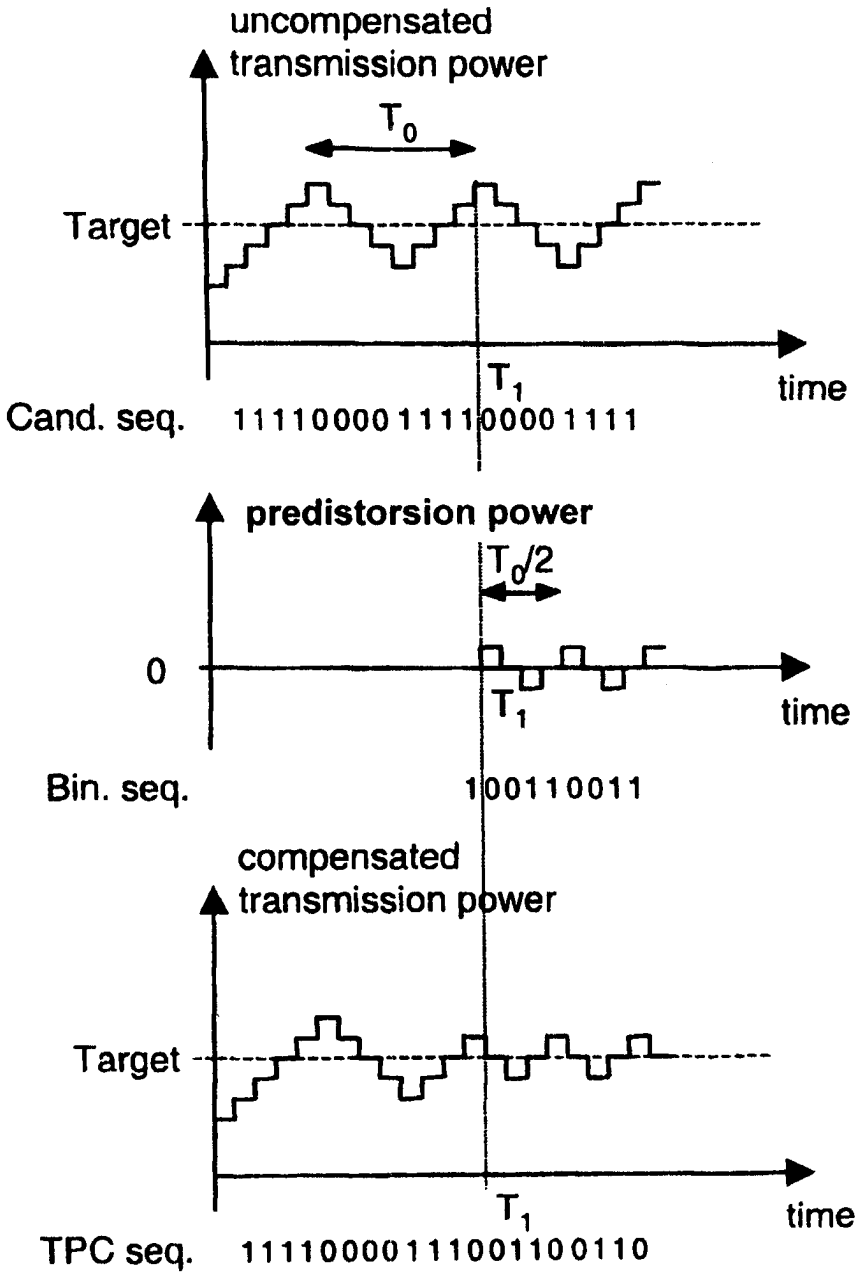
(57) **ABSTRACT**

The present invention relates to cellular mobile radio systems, and more especially it relates to Code Division Multiple Access, CDMA, cellular mobile radio systems, particularly to transmission power control in such systems. A method and apparatus for transmission of compensated TPC commands when a substantial loop delay is experienced for one or more user equipment entities is disclosed.

54 Claims, 9 Drawing Sheets

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transmission power
T_0
Target
T_1
time
Cand. seq. 1111000011110000 1111
predistorsion power
$T_0/2$
0
T_1
time
Bin. seq. 100110011
compensated
transmission power
Target
T_1
time
TPC seq. 1111000011100110 0110

Fig. 3